

HPW

Patent Application
Attorney Docket No. PC25365A

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Hon. Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this 19th day of November, 2004.

By

Kelly A. Smith
(Signature of person mailing)
Kelly A. Smith

(Typed or printed name of person)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Kimberly F. Fennell, et al. :

APPLICATION SERIAL NO.: 10/815,402 : Examiner: To be assigned

FILING DATE: March 31, 2004 : Group Art Unit: 1614

TITLE: CRYSTAL STRUCTURES OF :
STREPTOCOCCUS UNDECAPRENYL
PYROPHOSPHATE SYNTHASE AND USES
THEREOF

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Madam or Sir:

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97 ET SEQ.

Applicants herein make available to the U.S. Patent and Trademark Office a copy of PTO-FB-A820 which lists the references cited by the applicants, copies of which are enclosed.

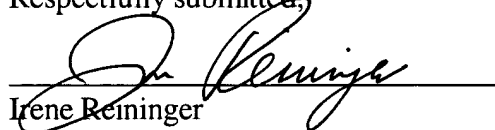
The Examiner is requested to consider carefully the complete text of these references in connection with the examination of the above-identified application in accord with 37 C.F.R. § 1.104(a). It is believed the Examiner will concur with applicant's belief that the subject matter presently claimed is neither anticipated nor rendered obvious by the foregoing references.

It is requested that the references listed on the attached form PTO-FB-A820 be included in the "References Cited" portion of any patent issuing from this application (M.P.E.P. § 1302.12).

A prompt and favorable response is earnestly solicited.

Date: 11/19/04

Respectfully submitted,



Irene Reininger
Attorney for Applicant(s)
Reg. No. 48,439

Pfizer Inc.
Patent Department, MS 4159
Eastern Point Road
Groton, Connecticut 06340
(860) 715-5756

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				ATTY. DOCKET NO. PC25365A				SERIAL NO. 10/815,402					
				APPLICANT Kimberly F. Fennell, et al.									
				FILING DATE March 31, 2004				GROUP 1614					
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
US	6	5	3	7	7	7	4	25 Mar03	Huang, et al.	453	69.1		
FOREIGN PATENT DOCUMENTS													
DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
WO	0	3	4	8	7	3	3	12 Jun 03	International	G01N		YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)													
			Robl, et al., U.S. Patent Application Publication No. US 2002/0035064, published March 21, 2002										
			Kuntz, et al., "A Geometric Approach to Macromolecule-Ligand Interactions", <i>J. Mol. Biol.</i> , Vol. 161, pp. 269-288 (1982)										
			Goodford, "A Computational Procedure for Determining Energetically Favorable Binding Sites on Biologically Important Macromolecules", <i>J. Med. Chem.</i> , Vol. 28, pp. 849-857 (1985)										
			Goodsell, et al., "Automated Docking of Substrates to Proteins by Simulated Annealing", <i>Proteins: Structure, Function and Genetics</i> , Vol. 8, pp. 195-202 (1990)										
			Miranker, et al., "Functionality Maps of Binding Sites: A Multiple Copy Simultaneous Search Method", <i>Proteins: Structure, Function and Genetics</i> , Vol. 11, pp. 29-34 (1991)										
			Bartlett, et al., "Caveat: A Program to Facilitate the Structure-Derived Design of Biologically Active Molecules", <i>Molecular Recognition in Chemical and Biological Problems</i> , Spec. Pub. No. 78, Royal Chem. Soc., pp. 182-96 (1989)										
			Martin, "3D Database Searching in Drug Design", <i>J. Med. Chem.</i> , Vol. 35, No. 12, pp. 2145-2154 (1992)										
			Nishibata, et al., "Automatic Creation of Drug Candidate Structures Based on Receptor Structure. Starting Point for Artificial Lead Generation", <i>Tetrahedron</i> , Vol. 47, No. 43, pp. 8985-8990 (1991)										
			Böhm, "The Computer Program LUDI: A new method for the de novo design of enzyme inhibitors", <i>J. Comp. Aid. Molec. Design</i> , Vol. 6 pp. 61-78 (1992)										
			Cohen, et al., "Molecular Modeling Software and Methods for Medicinal Chemistry", <i>J. Med. Chem.</i> , Vol. 33, No. 3, pp. 883-894 (1990)										
			Navia, et al., "Use of structural information in drug design", <i>Current Opinions in Structural Biology</i> , Vol. 2, pp. 202-210 (1992)										
			Noren, et al. "A General Method for Site-Specific Incorporation of Unnatural Amino Acids into Proteins", <i>Science</i> , Vol. 244, pp. 182-188 (1989)										
			Fujihashi, et al., "Crystal Structure of <i>cis</i> -prenyl chain elongating enzyme, undecaprenyl diphosphate synthase", <i>PNAS</i> , Vol. 98, No. 8, pp. 4337-4342 (2001)										
			Lattman, et al., "Use of the Rotation and Translation Functions", <i>Methods in Enzymology</i> , Vol. 115, pp. 55-77 (1985)										
EXAMINER			DATE CONSIDERED										
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													